

## INTERNATIONAL SEARCH REPORT

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Internat. Patent No.  
PCT/IB 03/0628710/541417  
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 H04M9/08		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04M H04B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) INSPEC, WPI Data, PAJ, EPO-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/154761 A1 (MCLAUGHLIN HUGH J ET AL) 24 October 2002 (2002-10-24) abstract paragraphs '0013!', '0016!', '0029!', '0031!', '0034!', '0036!', '0037! figures 4,7	1-12
A	WO 02 095975 A (KAJIYAMA IKUO ;MATSUOKA BUNKEI (JP); MITSUBISHI ELECTRIC CORP (JP)) 28 November 2002 (2002-11-28) paragraphs '0052!', '0060!; figure 2 -& EP 1 300 963 A (MITSUBISHI ELECTRIC CORP) 9 April 2003 (2003-04-09) -/-	1-12
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 12 March 2004		Date of mailing of the international search report 19/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Sorrentino, A

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 828 366 A (HURST ROBERT NORMAN) 27 October 1998 (1998-10-27) column 2, line 50 -column 3, line 31; figures 1,2A ----	1-12
A	BIRKETT A N ET AL: "Acoustic echo cancellation for hands-free telephony using neural networks" NEURAL NETWORKS FOR SIGNAL PROCESSING Y1994 IV. PROCEEDINGS OF THE 1994 IEEE WORKSHOP ERMIONI, GREECE 6-8 SEPT. 1994, NEW YORK, NY, USA, IEEE, 6 September 1994 (1994-09-06), pages 249-258, XP010125490 ISBN: 0-7803-2026-3 the whole document ----	
A	EP 0 642 230 A (TOSHIBA AVE KK ;TOKYO SHIBAURA ELECTRIC CO (JP)) 8 March 1995 (1995-03-08) column 10, line 34 -column 12, line 38; figures 4,6A,6B,7A,7B -----	1-12

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